

Index to Volume 109

A

- Adults, Developmental components of resting ventilation among high- and low-altitude Andean children and 295
- African-Ecuadorian communities of Esmeraldas, genetic population structure of two 159
- AIELLO, LESLIE C., BERNARD WOOD, CATHY KEY, AND MARK LEWIS. Morphological and taxonomic affinities of the olduvai ulna (OH 36) 89
- ALEXANDER, J.P. See Rose K.D. 523
- α -thalassemia, oxidative stress, and hemoglobin oxidation, resistance to *Falciparum malaria* in 269
- Alu* insertion polymorphism in a baboon hybrid zone 1
- AMAYO, GLENDA. See Frisancho, A. Roberto. 295
- Amazon region as revealed by mtDNA and Y-DNA, differential contribution of indigenous men and women to the formation of an urban population in the 175
- ANDINO, LOURDES M. See Szmulewicz, Martin N. 1
- Antarctic scenario and the floating Island Model, Origin of Platyrrhines: an evaluation of the 541
- Anthropoid primates based on condylar movements during mastication, model of temporomandibular joint function in 67
- ARRIAZA, B. See Rothschild, B.M. 259
- Articular surface defects in the third metatarsal and third cuneiform: nonosseous tarsal coalition. 53

B

- Baboon hybrid zone, *Alu* insertion polymorphism in a 1
- BAMSHAD, M. See Watkins, W.S. 147
- BARCELONA, VERONICA. See Frisancho, A. Roberto. 295
- BARROS, A.M. See Neves, Walter A. 253
- BARTON, SARA A. See Cerda-Flores, Ricardo M. 281
- BATISTA DOS SANTOS, SIDNEY E., J.D. RODRIGUES, A.K.C. RIBEIRO-DOS-SANTOS, AND M.A. ZAGO. Differential contribution of indigenous men and women to the formation of an urban population in the Amazon region as revealed by mtDNA and Y-DNA 175
- β -fibrinogen allele frequencies in Peruvian Quechua, high-altitude native population. 181
- BHANU, A. See Watkins, W.S. 147
- BHASKARA RAO, B. See Watkins, W.S. 147
- Biochemical behavior of molars of *homo*, *Pan*, and *Pongo*, effects of loading on the 211
- BIONDI, G. See Martínez-Labarga, Cristina 159
- Blood group markers, Estimation of nonpaternity in the Mexican population of Nuevo Leon: a validation study with 281
- Body mass estimates for *omomys carteri*, a Middle Eocene primate from North America, new. 41
- Book reviews: James H. Kidder and Murray K. Marks. 275
- Book reviews: Richard L. Jantz and Milford H. Wolpoff 415
- Book Reviews: Joseph F. Powell and Kenneth M. Weiss 143
- Book Reviews: Liza J. Shapiro and Rose A. Tyson 561
- BORTOLINI, MARIA CÁTIRA. See Da Silva, Jr., Wilson Araújo 425
- Brazilian Amazonia, enamel hypoplasias in Tupi-Mondé Amerindians from the 111
- Brief communication: Giovanni Destro-Bisol, Ernesto D'Aloja, Gabriella Spedini, Robert Scatena, Bruno Giardina, and Vincenzo Pascali. Resistance to *Falciparum malaria* in α -thalassemia, oxidative stress, and hemoglobin oxidation 269
- BRUSH JASON A. See Hamrick, Mark W. 397

C

- Captive male orangutans: implications for understanding developmental arrest, reproductive hormone profiles in 19
- CASE, D. TROY. See Regan, Marcia H. 53

- CASTALLANO, HERNAN MENDEZ. See Da Silva, Jr., Wilson Araújo 425
- Central Canadian Arctic: biocultural explanations for ethnic differences, plasma phospholipid fatty acids in the 9
- CERDA-FLORES, RICARDO M., SARA A. BURTON, LUISA F. MARTY-GONZALEZ, FERNANDO RIVAS, AND RANAJIT CHAKRABORTY. Estimation of nonpaternity in the Mexican population of Nuevo Leon: a validation study with blood group markers 281
- (*cercopithecus ascanius*): implications for understanding hominoid and cercopithecine fruit-processing strategies and seed dispersal, Seed handling in chimpanzees (*Pan troglodytes*) and retdail monkeys 365
- CHAKRABORTY, RANAJIT. See Cerda-Flores, Ricardo M. 281
- Changes in the pattern of tooth wear from prehistoric to recent periods in Japan 485
- Child growth and nutritional status in a high-poverty community in eastern Kentucky 129
- Chimpanzees, demographic influences on the hunting behavior of 439
- Chimpanzees (*Pan troglodytes*) and retdail monkeys (*cercopithecus ascanius*): implications for understanding hominoid and cercopithecine fruit-processing strategies and seed dispersal, seed handling in 365
- CLEAVES BRUNDIGE, JULIET. See Regan, Marcia H. 53
- COIMBRA, JR., CARLOS E. See Santos, Ricardo V. 111
- Condylar movements during mastication, model of temporomandibular joint function in anthropoid primates based on 67
- Contribution of indigenous men and women to the formation of an urban population in the Amazon region as revealed by mtDNA and Y-DNA, differential 175
- CORBO, R.M. See Martínez-Labarga, Cristina 159
- COSTA, M.A. See Neves, Walter A. 253
- COVERT, HERBERT H. See Payseur, Bret A. 41
- Cranial capacity and performance on delay-response task correlated with principal sulcus length in monkeys 33
- CROOKS, DEBORAH L. Child growth and nutritional status in a high-poverty community in eastern Kentucky 129
- Cross-Sectional morphology of the SK 82 and 97 Proximal Femora 509
- CZEKALA, NANCY M. See Maggioncalda, Anne N. 19

D

- DA SILVA, JR., WILSON ARAÚJO, MARIA CÁTIRA BORTOLINI, DIOGO MEYER, FRANCISCO MAURO SALZANO, JACQUES ELION, RAJAGOPAL KRISHNAMOORTHY, MARIA PAULA CRUZ SCHNEIDER, DINORAH CASTRO DE GUERRA, ZULAY LAYRISSE, HERNAN MENDEZ CASTALLANO, TANIA DE AZEVEDO WEIMER, AND MARCO ANTONIO ZAGO. Genetic diversity of two African and sixteen South American populations determined on the basis of six hypervariable loci 425
- DAGOSTO, MARIAN. See Payseur, Bret A. 41
- DAS, P.K. See Watkins, W.S. 147
- DAVENPORT, GRECIA. See Frisancho, A. Roberto. 295
- DE GUERRA, DINORAH CASTRO. See Da Silva, Jr., Wilson Araújo 425
- DE STEFANO, G.F. See Martínez-Labarga, Cristina 159
- Delay-response task correlated with principal sulcus length in monkeys, cranial capacity and performance on 33
- Demographic influences on the hunting behavior of chimpanzees 439
- Developmental arrest, reproductive hormone profiles in captive male orangutans: implications for understanding 19
- Developmental components of resting ventilation among high- and low-altitude Andean children and adults 295
- DEVINE, DANA V. See Rupert, Jim L. 181
- Diet, and tooth use in three Amerindian populations, incisor microwear 387

- Differential contribution of indigenous men and women to the formation of an urban population in the Amazon region as revealed by mtDNA and Y-DNA 175
- DISOTELL, TODD R. See Szmulewicz, Martin N. 1
- DIXON, M.E. See Watkins, W.S. 147
- DUTOUR, OLIVIER. See Herschkovitz, Israel. 308
- DUTOUR, OLIVIER. See Rothschild, B.M. 259

E

- Early Holocene Human Skeleton From Gua Gunung Runtuh, Malaysia, Metric Analyses of an 327
- Eastern Kentucky, child growth and nutritional status in a high-poverty community in 129
- Effects of loading on the biochemical behavior of molars of *homo*, *Pan*, and *Pongo* 211
- ELION, JACQUES. See Da Silva, Jr., Wilson Araújo 425
- Enamel hypoplasias in Tupi-Mondé Amerindians from the Brazilian Amazonia 111
- Enhanced breathing control, Evolution of human speech: the role of 341
- Esmeraldas, genetic population structure of two African-Ecuadorian communities of 159
- Estimates of sexual dimorphism: the effects of intrasexual variability, univariate 501
- Estimation of nonpaternity in the Mexican population of Nuevo Leon: a validation study with blood group markers 281
- Ethnic differences, plasma phospholipid fatty acids in the Central Canadian Arctic: biocultural explanations for 9
- Evolution of human speech: the role of enhanced breathing control 341

F

- FEDIGAN, LINDA MARIE. See Pavelka, Mary S. McDonald 455
- Female Japanese monkeys: a comparative life history perspective, reproductive termination in 455
- FISCHER, P. See Watkins, W.S. 147
- Floating Island Model, Origin of Platyrrhines: an evaluation of the Antarctic scenario and the 541
- Formation of an urban population in the Amazon region as revealed by mtDNA and Y-DNA, differential contribution of indigenous men and women to the 175
- Fracture trauma in a medieval British farming village 229
- FRISANCHO, A. ROBERTO, PATRICIA C. JULIAO, VERONICA BARCELONA, CARMELA E. KUDYBA, GLENDA AMAYO, GRECIA DEVANPORT, ALICIA KNOWLES, DANI SANCHEZ, MERCEDES VILLENA, ENRIQUE VARGAS, AND RUDY SORIA. Developmental components of resting ventilation among high- and low-altitude Andean children and adults 295
- Fruit-processing strategies and seed dispersal, Seed handling in chimpanzees (*Pan troglodytes*) and redtail monkeys (*Cercopithecus aesculapius*): implications for understanding hominoid and cercopitheine 365

G

- GAI, P.B. See Watkins, W.S. 147
- Genetic diversity of two African and sixteen South American populations determined on the basis of six hypervariable loci 425
- Genetic population structure of two African-Ecuadorian communities of Esmeraldas 159
- GERRARD, JON M. See Young, T. Kue 9
- Gliding behavior reconsidered, phalangeal morphology of the paromyiidae (?primates, plesiadapiformes): the evidence for 397
- GREENWALD, CHARLES. See Herschkovitz, Israel 308
- Growth patterns among seminomadic pastoralists (Datoga) of Tanzania 187

- Gua Gunung Runtuh, Malaysia, Metric Analyses of an Early Holocene Human Skeleton From 327
- GUEVARA, A.E.B. See Martinez-Labarga, Cristina 159

H

- HAMRICK, MARK W., BURT A. ROSENMAN, AND JASON A. BRUSH. Phalangeal morphology of the paromyiidae (?primates, plesiadapiformes): the evidence for gliding behavior reconsidered 397
- Hemoglobin oxidation, resistance to *Falciparum* malaria in α -thalassemia, oxidative stress, and 269
- HERRERA, RENE J. See Szmulewicz, Martin N. 1
- HERSCHKOVITZ, ISRAEL, CHARLES GREENWALD, BRUCE M. ROTHSCHILD, BRUCE LATIMER, OLIVIER DUTOUR, LYMAN M. JELLEMA, AND SUSANNE WISH-BARATZ. Hyperostosis frontalis interna: an anthropological perspective 308
- "*Hesperolemur*" *actius*, Skull of early *Cantius* *abditus* (Primates: Adapiformes) and Its Phylogenetic Implications, With a Reevaluation of 523
- HEWITT, GWEN P. See MacLarnon Ann M. 341
- High- and low-altitude Andean children and adults, Developmental components of resting ventilation among 295
- High-poverty community in eastern Kentucky, child growth and nutritional status in a 129
- HOCHACHKA, PETER W. See Rupert, Jim L. 181
- Homo*, *Pan*, and *Pongo*, effects of loading on the biochemical behavior of molars of 211
- HOULE, ALAIN. The Origin of Platyrrhines: an evaluation of the Antarctic scenario and the floating Island Model 541
- Hunting behavior of chimpanzees, demographic influences on the 439
- Hyperostosis frontalis interna: an anthropological perspective 308

I

- Incidence and distribution of post-cranial fractures in the prehistoric population of San Pedro de Atacama, Northern Chile 253
- Incisor microwear, diet, and tooth use in three Amerindian populations 387
- Index to Volume 109 567
- Insertion polymorphism in a baboon hybrid zone, *Alu* 1
- Intrasexual variability, univariate estimates of sexual dimorphism: the effects of 501

J

- JELLEMA, LYMAN M. See Herschkovitz, Israel. 308
- JOLLY, CLIFFORD J. See Szmulewicz, Martin N. 1
- JORDE, L.B. See Watkins, W.S. 147
- JUDD, MARGARET A. AND CHARLOTTE A. ROBERTS. Fracture trauma in a medieval British farming village 229
- JULIAO, PATRICIA C. See Frisancho, A. Roberto 295

K

- KAIFU, YOUSUKE. Changes in the pattern of tooth wear from prehistoric to recent periods in Japan 485
- KEY, CATHY. See Aiello, Leslie C. 89
- KNOWLES, ALICIA. See Frisancho, A. Roberto 295
- KRISHNAMOORTHY, RAJAGOPAL. See Da Silva, Jr., Wilson Araújo 425
- KUDYBA, CARMELA E. See Frisancho, A. Roberto 295
- KUSUMA, Y.S. See Watkins, W.S. 147

L

- LAMBERT, JOANNA E. Seed handling in chimpanzees (*Pan troglodytes*) and redtail monkeys (*Cercopithecus ascanius*): implications for understanding hominoid and cercopitheine fruit-processing strategies and seed dispersal 365
- LATIMER, BRUCE. See Herschkovitz, Israel 303
- LAYRISSE, ZULAY. See Da Silva, Jr., Wilson Araújo 425
- LEWIS, MARK. See Aiello, Leslie C. 89
- LITTLETON, JUDITH. Palaeopathology of Skeletal Fluorosis 465
- LUM, J.K. See Watkins, W.S. 147

M

- MACHO, GABRIELE A. AND IAIN R. SPEARS. Effects of loading on the biochemical behavior of molars of *homo*, *pan*, and *pongo*. 211
- MACLARNON, ANN M. AND GWEN P. HEWITT. Evolution of human speech: the role of enhanced breathing control. 341
- MACPHEE, R.D.E. See Rose K.D. 523
- MAGGIONCALDA, ANNE N., ROBERT M. SPOLSKY, AND NANCY M. CZEKALA. Reproductive hormone profiles in captive male orangutans: implications for understanding developmental arrest 19
- MARINI, ELISABETTA, WALTER RACUGNO, AND SILVANA M. BORGOGNINI TARLI. Univariate estimates of sexual dimorphism: the effects of intrasexual variability. 501
- MARTÍNEZ-LABARGA, CRISTINA, O. RICKARDS, R. SCACCHI, R.M. CORBO, G. BIONDI, J.A. PEÑA, C. VARAS DE VIEIRA, A.E.B. GUEVARA, M.S. MESA SANTURINO, AND G.F. DE STEFANO. Genetic population structure of two African-Ecuadorian communities of Esmeraldas 159
- MARTY-GONZALEZ, LUISA F. See Cerda-Flores, Ricardo M. 281
- Mastication, model of temporomandibular joint function in anthropoid primates based on condylar movements during. 67
- MATSUMURA, HIROFUMI AND MAJID ZURAINA. Metric analyses of an early holocene human skeleton from Gua Gunung Runtuh, Malaysia 327
- MCHENRY, HENRY M. See Ruff, Christopher B. 509
- Medieval British farming village, fracture trauma in a 229
- MESA SANTURINO, M.S. See Martínez-Labarga, Cristina 159
- Metacarpals, sexing potential of fragmentary and pathological 245
- Metric Analyses of an Early Holocene Human Skeleton From Gua Gunung Runtuh, Malaysia 327
- Mexican population of Nuevo Leon: a validation study with blood group markers, Estimation of nonpaternity in the 281
- MEYER, DIOGO. See Da Silva, Jr., Wilson Araújo 425
- MITANI, JOHN C. AND DAVID P. WATTS. Demographic influences on the hunting behavior of chimpanzees 439
- Model of temporomandibular joint function in anthropoid primates based on condylar movements during mastication 67
- Morphological and taxonomic affinities of the olduvai ulna (OH 36). 89
- mtDNA and Y-DNA, differential contribution of indigenous men and women to the formation of an urban population in the Amazon region as revealed by 175
- Multiple origins of the mtDNA 9-bp deletion in populations of South India. 147

N

- NAIDU, J.M. See Watkins, W.S. 147
- NEVES, WALTER A., A.M. BARROS, AND M.A. COSTA. Incidence and distribution of post-cranial fractures in the prehistoric population of San Pedro de Atacama, Northern Chile 253
- New body mass estimates for *omomys carteri*, a Middle Eocene primate from North America 41

- 97 Proximal Femora, cross-sectional morphology of the SK 82 and 509
- Nubian erosive arthritis, spondyloarthropathy identified as the etiology of 259
- Nuevo Leon: a validation study with blood group markers, Estimation of nonpaternity in the Mexican population of 281
- Nutritional status in a high-poverty community in eastern Kentucky, child growth and 129

O

- Olduvai ulna (OH 36), morphological and taxonomic affinities of the 89
- Omomys carteri*, a Middle Eocene Primate from North America, new body mass estimates for. 41
- O'NEIL, JOHN D. See Young, T. Kue 9
- Origin of Platyrrhines: an evaluation of the Antarctic scenario and the floating Island Model. 541
- Origins of the mtDNA 9-bp deletion in populations of South India, multiple 147

P

- Palaeopathology of Skeletal Fluorosis 465
- Pan*, and *Pongo*, effects of loading on the biochemical behavior of molars of *homo*, 211
- (*Pan troglodytes*) and redtail monkeys (*Cercopithecus ascanius*): implications for understanding hominoid and cercopitheine fruit-processing strategies and seed dispersal, seed handling in chimpanzees 365
- Paromomyidae (?primates, plesiadapiformes): the evidence for gliding behavior reconsidered, phalangeal morphology of the 397
- Pattern of tooth wear from prehistoric to recent periods in Japan, changes in the 485
- PAVELKA, MARY S. McDONALD AND LINDA MARIE FEDIGAN. Reproductive termination in female Japanese Monkeys: a comparative life history perspective. 455
- PAYSEUR, BRET A., HERBERT H. COVERT, CHRISTOPHER J. VINYARD, AND MARIAN DAGOSTO. New body mass estimates for *Omomys carteri*, a Middle Eocene primate from North America 41
- PEÑA, J.A. See Martínez-Labarga, Cristina 159
- Peruvian Quechua, high-altitude native population, β -fibrinogen allele frequencies in 181
- Phalangeal morphology of the paromomyidae (?primates, plesiadapiformes): the evidence for gliding behavior reconsidered. 397
- Plasma phospholipid fatty acids in the Central Canadian Arctic: biocultural explanations for ethnic differences. 9
- Pongo*, effects of loading on the biochemical behavior of molars of *homo*, *Pan*, and. 211
- Post-cranial fractures in the prehistoric population of San Pedro de Atacama, Northern Chile, incidence and distribution of 253
- PRASAD, B.V.R. See Watkins, W.S. 147
- Prehistoric population of San Pedro de Atacama, Northern Chile, incidence and distribution of post-cranial fractures in the 253
- Prehistoric to Recent periods in Japan, changes in the pattern of tooth wear from 485

R

- RACUGNO, WALTER. See Marini, Elisabetta 501
- REATEGUI, ERIKA P. See Szumlewicz, Martin N. 1
- REDDY, P.C. See Watkins, W.S. 147
- REDDY, P.G. See Watkins, W.S. 147
- REDMOND, JOHN C., JR. Cranial capacity and performance on delay-response task correlated with principal sulcus length in monkeys 33

- Redtail monkeys (*Cercopithecus ascanius*): implications for understanding hominoid and cercopithecine fruit-processing strategies and seed dispersal, seed handling in chimpanzees (*Pan troglodytes*) and 365
- REGAN, MARCIA H., D. TROY CASE, AND JULIET CLEAVES BRUNDIGE. Articular surface defects in the third metatarsal and third cuneiform: nonosseous tarsal coalition. 53
- Reproductive hormone profiles in captive male orangutans: implications for understanding developmental arrest. 19
- Reproductive termination in female Japanese monkeys: a comparative life history perspective 455
- Resistance to *Falciparum* malaria in α -thalassemia, oxidative stress, and hemoglobin oxidation 269
- Resting Ventilation among high- and low-altitude Andean children and adults, Developmental components of. 295
- RIBEIRO-DOS-SANTOS, A.K.C. See Batista Dos Santos, Sidney E. 175
- RICKARDS, O. See Martínez-Labarga, Cristina 159
- RIVAS, FERNANDO. See Cerda-Flores, Ricardo M. 281
- ROBERTS, CHARLOTTE A. See Judd, Margaret A. 229
- RODRIGUES, J.D. See Batista Dos Santos, Sidney E. 175
- ROSE, K.D., R.D.E. MACPHEE, AND J.P. ALEXANDER. Skull of early *Cantius abditus* (Primates: Adapiformes) and Its Phylogenetic Implications, With a Reevaluation of "*Hesperolemur*" *actius* 523
- ROSENMAN, BURT A. See Hamrick, Mark W. 397
- ROTHSCHILD, B.M., B. ARRIAZA, R.J. WOODS, AND OLIVIER DUTOIR. Spondyloarthropathy identified as the etiology of nubian erosive arthritis. 259
- ROTHSCHILD, BRUCE M. See Herschkovitz, Israel 303
- RUFF, CHRISTOPHER B., HENRY M. MCHENRY, AND J. FRANCIS THACKERAY. Cross-Sectional morphology of the SK 82 and 97 Proximal Femora 509
- RUPERT, JIM L., DANA V. DEVINE, M. VICTORIA MONSALVE, AND PETER W. HOCHACHKA. β -fibrinogen allele frequencies in Peruvian Quechua, high-altitude native population. 181
- S**
- SALZANO, FRANCISCO MAURO. See Da Silva, Jr., Wilson Araújo 425
- San Pedro de Atacama, Northern Chile, incidence and distribution of post-cranial fractures in the prehistoric population of. 253
- SANCHEZ, DANI. See Frisancho, A. Roberto 295
- SANTOS, RICARDO V. AND CARLOS E. COIMBRA, JR. Hardships of contact: enamel hypoplasias in Tupi-Mondé Amerindians from the Brazilian Amazonia. 111
- SAPOLSKY, ROBERT M. See Maggioncalda, Anne N. 19
- SCACCHI, R. See Martínez-Labarga, Cristina 159
- SCHNEIDER, MARIA PAULA CRUZ. See Da Silva, Jr., Wilson Araújo 425
- Seed dispersal, seed handling in chimpanzees (*Pan troglodytes*) and redtail monkeys (*Cercopithecus ascanius*): implications for understanding hominoid and cercopithecine fruit-processing strategies and 365
- Seed handling in chimpanzees (*Pan troglodytes*) and redtail monkeys (*Cercopithecus ascanius*): implications for understanding hominoid and cercopithecine fruit-processing strategies and seed dispersal 365
- SELLEN, DANIEL W. Growth patterns among seminomadic pastoralists (Datoga) of Tanzania 187
- Sexing potential of fragmentary and pathological metacarpals 245
- Six hypervariable loci, genetic diversity of two African and sixteen South American populations determined on the basis of. 425
- Sixteen South American populations determined on the basis of six hypervariable loci, genetic diversity of two African and 425
- SK 82 and 97 Proximal Femora, cross-sectional morphology of the. 509
- Skeletal Fluorosis, palaeopathology of. 465
- Skull of early *Cantius abditus* (Primates: Adapiformes) and Its Phylogenetic Implications, With a Reevaluation of "*Hesperolemur*" *actius* 523
- SORIA, RUDY. See Frisancho, A. Roberto 295
- South India, multiple origins of the mtDNA 9-bp deletion in populations of 147
- SPEARS, IAIN R. See Macho, Gabriele A. 211
- SPENCER, MARK A. See Ungar, Peter S. 387
- Spondyloarthropathy identified as the etiology of Nubian erosive arthritis 259
- STOJANOWSKI, CHRISTOPHER M. Sexing potential of fragmentary and pathological metacarpals. 245
- Sulcus length in monkeys, cranial capacity and performance on delay-response task correlated with principal 33
- SZMULEWICZ, MARTIN N., LOURDES M. ANDINO, ERIKA P. REATEGUI, TAMSIN WOOLLEY-BARKER, CLIFFORD J. JOLLY, TODD R. DISOTELL, AND RENE J. HERRERA. *Alu* insertion polymorphism in a baboon hybrid zone 1
- T**
- Tanzania, growth patterns among seminomadic pastoralists (Datoga) of 187
- TARLI, SILVANA M. BORGOGNINI. See Marini, Elisabetta 501
- Taxonomic affinities of the oliduvai ulna (OH 36), morphological and 89
- Temporomandibular joint function in anthropoid primates based on condylar movements during mastication, model of 67
- THACKERAY, J. FRANCIS. See Ruff, Christopher B. 509
- Third cuneiform: nonosseous tarsal coalition, articular surface defects in the third metatarsal and 53
- Third metatarsal and third cuneiform: nonosseous tarsal coalition, articular surface defects in the. 53
- Three Amerindian populations, incisor microwear, diet, and tooth use in. 387
- Tooth use in three Amerindian populations, incisor microwear, diet, and 387
- Tupi-Mondé Amerindians from the Brazilian Amazonia, enamel hypoplasias in 111
- U**
- UNGAR, PETER S. AND MARK A. SPENCER. Incisor microwear, diet, and tooth use in three Amerindian populations 387
- Univariate estimates of sexual dimorphism: the effects of intrasexual variability. 501
- Urban population in the Amazon region as revealed by mtDNA and Y-DNA, differential contribution of indigenous men and women to the formation of an 175
- V**
- VARGAS DE VIEIRA, C. See Martínez-Labarga, Cristina. 159
- VARGAS, ENRIQUE. See Frisancho, A. Roberto 295
- VICTORIA MONSALVE, M. See Rupert, Jim L. 181
- VILLENA, MERCEDES. See Frisancho, A. Roberto 295
- VINYARD, CHRISTOPHER J. See Payseur, Bret A. 41
- W**
- WALL, CHRISTINE E. Model of temporomandibular joint function in anthropoid primates based on condylar movements during mastication. 67

WATKINS, W.S., M. BAMSHAD, M.E. DIXON, B. BHASKARA	
RAO, J.M. NAIDU, P.G. REDDY, B.V.R. PRASAD, P.K. DAS,	
P.C. REDDY, P.B. GAI, A. BHANU, Y.S. KUSUMA, J.K.	
LUM, P. FISCHER, AND L.B. JORDE. Multiple origins of the	
mtDNA 9-bp deletion in populations of South India	147
WATTS, DAVID P. See Mitani, John C.	439
WEIMER, TANIA DE AZEVEDO. See Da Silva, Jr., Wilson	
Araújo	425
WISH-BARATZ, SUSANNE. See Herschkovitz, Israel	303
WOOD, BERNARD. See Aiello, Leslie C.	89
WOODS, R.J. See Rothschild, B.M.	259
WOOLLEY-BARKER, TAMSIN. See Szmulewicz, Martin N.	1

Y

YOUNG, T. KUE, JON M. GERRARD, AND JOHN D. O'NEIL.	
Plasma phospholipid fatty acids in the Central Canadian Arctic:	
biocultural explanations for ethnic differences.	9

Z

ZAGO, MARCO ANTONIO. See Da Silva, Jr., Wilson Araújo.	425
ZAGO, M.A. See Batista Dos Santos, Sidney E.	175
ZURAINA, MAJID. See Matsumura, Hirofumi	327

RUS
U

ANNIE
State U

DA
Univ

LIN
Univ

M. A
Univ

KENNE
Co

AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY

Official Publication of the American Association of Physical Anthropologists

EDITOR

EMŐKE J.E. SZATHMÁRY
University of Manitoba

ASSOCIATE EDITORS

REVIEW EDITOR

LYLE W. KONIGSBERG
University of Tennessee

SUSAN G. LARSON

State University of New York
Stony Brook

CHARLES F. MERBS
Arizona State University
Tempe

GEORGE R. MILNER
Penn State University

JOHN H. RELETHFORD
State University of New York
College at Oneonta

JEFFREY A. ROGERS
Southwest Foundation for
Biomedical Research
San Antonio

SHELLEY R. SAUNDERS
McMaster University

PAUL W. SCIULLI
The Ohio State University
Columbus

PETER UNGAR
University of Arkansas
Fayetteville

BERNARD WOOD
George Washington University

ADRIENNE L. ZIHLMAN
University of California
Santa Cruz

ASSISTANT EDITOR

GEORGE A. REILLY
University of Manitoba

RUSSELL L. CIOCHON
University of Iowa
Iowa City

ANNE BRIGITTE DEMES
State University of New York
Stony Brook

DARNA L. DUFOUR
University of Colorado
Boulder

LINDA M. FEDIGAN
University of Alberta

M. ANNE KATZENBERG
University of Calgary

KENNETH A.R. KENNEDY
Cornell University

**VOLUME 109
MAY, JUNE,
JULY, AUGUST
1999**

© 1999 Wiley-Liss Inc.
605 Third Ave.
New York, N.Y. 10158-0012

Contents

VOLUME 109
NUMBER 1

MAY 1999

MARTIN N. SZMULEWICZ, LOURDES M. ANDINO, ERIKA P. REATEGUI, TAMSIN WOOLLEY-BARKER, CLIFFORD J. JOLLY, TODD R. DISOTELL, AND RENE J. HERRERA. An <i>Alu</i> Insertion Polymorphism in a Baboon Hybrid Zone	1
T. KUE YOUNG, JON M. GERRARD, AND JOHN D. O'NEIL. Plasma Phospholipid Fatty Acids in the Central Canadian Arctic: Biocultural Explanations for Ethnic Differences.	9
ANNE N. MAGGIONCALDA, ROBERT M. SAPOLSKY, AND NANCY M. CZEKALA. Reproductive Hormone Profiles in Captive Male Orangutans: Implications for Understanding Developmental Arrest	19
JOHN C. REDMOND, JR. Cranial Capacity and Performance on Delay-Response Task Correlated With Principal Sulcus Length in Monkeys	33
BRET A. PAYSEUR, HERBERT H. COVERT, CHRISTOPHER J. VINYARD, AND MARIAN DAGOSTO. New Body Mass Estimates for <i>Omomys carteri</i> , a Middle Eocene Primate From North America	41
MARCIA H. REGAN, D. TROY CASE, AND JULIET CLEAVES BRUNDIGE. Articular Surface Defects in the Third Metatarsal and Third Cuneiform: Nonosseous Tarsal Coalition	53
CHRISTINE E. WALL. A Model of Temporomandibular Joint Function in Anthropoid Primates Based on Condylar Movements During Mastication.	67
LESLIE C. AIELLO, BERNARD WOOD, CATHY KEY, AND MARK LEWIS. Morphological and Taxonomic Affinities of the Olduvai Ulna (OH 36)	89
RICARDO V. SANTOS AND CARLOS E. COIMBRA, JR. Hardships of Contact: Enamel Hypoplasias in Tupí-Mondé Amerindians From the Brazilian Amazonia	111
DEBORAH L. CROOKS. Child Growth and Nutritional Status in a High-Poverty Community in Eastern Kentucky	129
Book Reviews. JOSEPH F. POWELL AND KENNETH M. WEISS	143

Contents

VOLUME 109
NUMBER 2

JUNE 1999

W.S. WATKINS, M. BAMSHAD, M.E. DIXON, B. BHASKARA RAO, J.M. NAIDU, P.G. REDDY, B.V.R. PRASAD, P.K. DAS, P.C. REDDY, P.B. GAI, A. BHANU, Y.S. KUSUMA, J.K. LUM, P. FISCHER, AND L.B. JORDE. Multiple Origins of the mtDNA 9-bp Deletion in Populations of South India	147
CRISTINA MARTÍNEZ-LABARGA, O. RICKARDS, R. SCACCHI, R.M. CORBO, G. BIONDI, J.A. PEÑA, C. VARAS DE VIEIRA, A.E.B. GUEVARA, M.S. MESA SANTURINO, AND G.F. DE STEFANO. Genetic Population Structure of Two African-Ecuadorian Communities of Esmeraldas.	159
SIDNEY E. BATISTA DOS SANTOS, J.D. RODRIGUES, A.K.C. RIBEIRO-DOS-SANTOS, AND M.A. ZAGO. Differential Contribution of Indigenous Men and Women to the Formation of an Urban Population in the Amazon Region as Revealed by mtDNA and Y-DNA . .	175
JIM L. RUPERT, DANA V. DEVINE, M. VICTORIA MONSALVE, AND PETER W. HOCHACHKA. β -Fibrinogen Allele Frequencies in Peruvian Quechua, a High-Altitude Native Population	181
DANIEL W. SELLEN. Growth Patterns Among Seminomadic Pastoralists (Datoga) of Tanzania	187
GABRIELE A. MACHO AND IAIN R. SPEARS. Effects of Loading on the Biochemical Behavior of Molars of <i>Homo</i> , <i>Pan</i> , and <i>Pongo</i>	211

MARGARET A. JUDD AND CHARLOTTE A. ROBERTS. Fracture Trauma in a Medieval British Farming Village.	229
CHRISTOPHER M. STOJANOWSKI. Sexing Potential of Fragmentary and Pathological Metacarpals.	245
WALTER A. NEVES, A.M. BARROS, AND M.A. COSTA. Incidence and Distribution of Postcranial Fractures in the Prehistoric Population of San Pedro de Atacama, Northern Chile.	253
B.M. ROTHSCHILD, B. ARRIAZA, R.J. WOODS, AND OLIVIER DUTOUR. Spondyloarthropathy Identified as the Etiology of Nubian Erosive Arthritis	259
Brief Communication. GIOVANNI DESTRO-BISOL, ERNESTO D'ALOJA, GABRIELLA SPEDINI, ROBERTO SCATENA, BRUNO GIARDINA, AND VINCENZO PASCALI. Resistance to <i>Falciparum</i> Malaria in α -Thalassemia, Oxidative Stress, and Hemoglobin Oxidation	269
Book Reviews. James H. Kidder and Murray K. Marks	275

Contents

VOLUME 109
NUMBER 3

JULY 1999

RICARDO M. CERDA-FLORES, SARA A. BARTON, LUISA F. MARTY-GONZALEZ, FERNANDO RIVAS, AND RANAJIT CHAKRABORTY. Estimation of Nonpaternity in the Mexican Population of Nuevo Leon: A Validation Study With Blood Group Markers	281
A. ROBERTO FRISANCHO, PATRICIA C. JULIAO, VERONICA BARCELONA, CARMELA E. KUDYBA, GLENDA AMAYO, GRECIA DAVENPORT, ALICIA KNOWLES, DANI SANCHEZ, MERCEDES VILLENA, ENRIQUE VARGAS, AND RUDY SORIA. Developmental Components of Resting Ventilation Among High- and Low-Altitude Andean Children and Adults	295
ISRAEL HERSHKOVITZ, CHARLES GREENWALD, BRUCE M. ROTHSCHILD, BRUCE LATIMER, OLIVIER DUTOUR, LYMAN M. JELLEMA, AND SUSANNE WISH-BARATZ. Hyperostosis Frontalis Interna: An Anthropological Perspective	303
HIROFUMI MATSUMURA AND MAJID ZURAINA. Metric Analyses of an Early Holocene Human Skeleton From Gua Gunung Runtuh, Malaysia.	327
ANN M. MACLARNON AND GWEN P. HEWITT. The Evolution of Human Speech: The Role of Enhanced Breathing Control	341
JOANNA E. LAMBERT. Seed Handling in Chimpanzees (<i>Pan troglodytes</i>) and Redtail Monkeys (<i>Cercopithecus ascanius</i>): Implications for Understanding Hominoid and Cercopithecine Fruit-Processing Strategies and Seed Dispersal.	365
PETER S. UNGAR AND MARK A. SPENCER. Incisor Microwear, Diet, and Tooth Use in Three Amerindian Populations	387
MARK W. HAMRICK, BURT A. ROSENMAN, AND JASON A. BRUSH. Phalangeal Morphology of the Paromomyidae (?Primates, Plesiadapiformes): The Evidence for Gliding Behavior Reconsidered	397
Book Reviews. Richard L. Jantz and Milford H. Wolpoff	415

Contents

VOLUME 109
NUMBER 4

AUGUST 1999

WILSON ARAÚJO DA SILVA, JR., MARIA CÁTIRA BORTOLINI, DIOGO MEYER, FRANCISCO MAURO SALZANO, JACQUES ELION, RAJAGOPAL KRISHNAMOORTHY, MARIA PAULA CRUZ SCHNEIDER, DINORAH CASTRO DE GUERRA, ZULAY LAYRISSE, HERNAN MENDEZ CASTELLANO, TANIA DE AZEVEDO WEIMER, AND MARCO ANTONIO ZAGO. Genetic Diversity of Two African and Sixteen South American Populations Determined on the Basis of Six Hypervariable Loci	425
--	-----

JOHN C. MITANI AND DAVID P. WATTS. Demographic Influences on the Hunting Behavior of Chimpanzees	439
MARY S. McDONALD PAVELKA AND LINDA MARIE FEDIGAN. Reproductive Termination in Female Japanese Monkeys: A Comparative Life History Perspective	455
JUDITH LITTLETON. Palaeopathology of Skeletal Fluorosis	465
YOUSUKE KAIFU. Changes in the Pattern of Tooth Wear From Prehistoric to Recent Periods in Japan	485
ELISABETTA MARINI, WALTER RACUGNO, AND SILVANA M. BORGOGNINI TARLI. Univariate Estimates of Sexual Dimorphism: The Effects of Intrasexual Variability	501
CHRISTOPHER B. RUFF, HENRY M. MCHENRY, AND J. FRANCIS THACKERAY. Cross-Sectional Morphology of the SK 82 and 97 Proximal Femora	509
K.D. ROSE, R.D.E. MACPHEE, AND J.P. ALEXANDER. Skull of Early Eocene <i>Cantius abditus</i> (Primates: Adapiformes) and Its Phylogenetic Implications, With a Re-evaluation of " <i>Hesperolemur</i> " <i>actius</i>	523
ALAIN HOULE. The Origin of Platyrrhines: An Evaluation of the Antarctic Scenario and the Floating Island Model	541
<i>Book Reviews</i> . Liza J. Shapiro and Rose A. Tyson	561
Index to Volume 109	567

9
5
5
5
1
9
3
1
1
7